

Fig. 1

XTEM of PHEMT 2.3 Structure

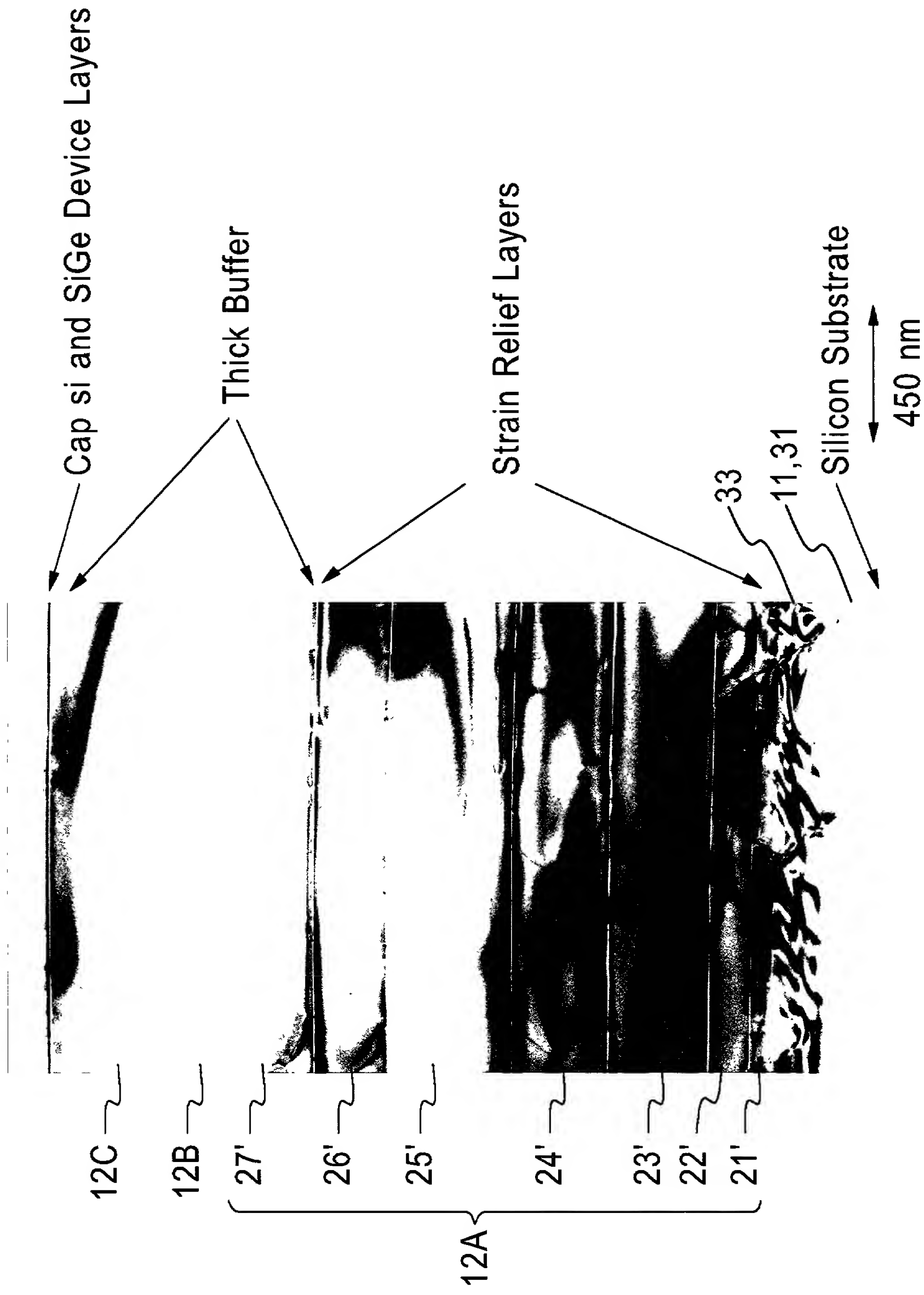


Fig. 2

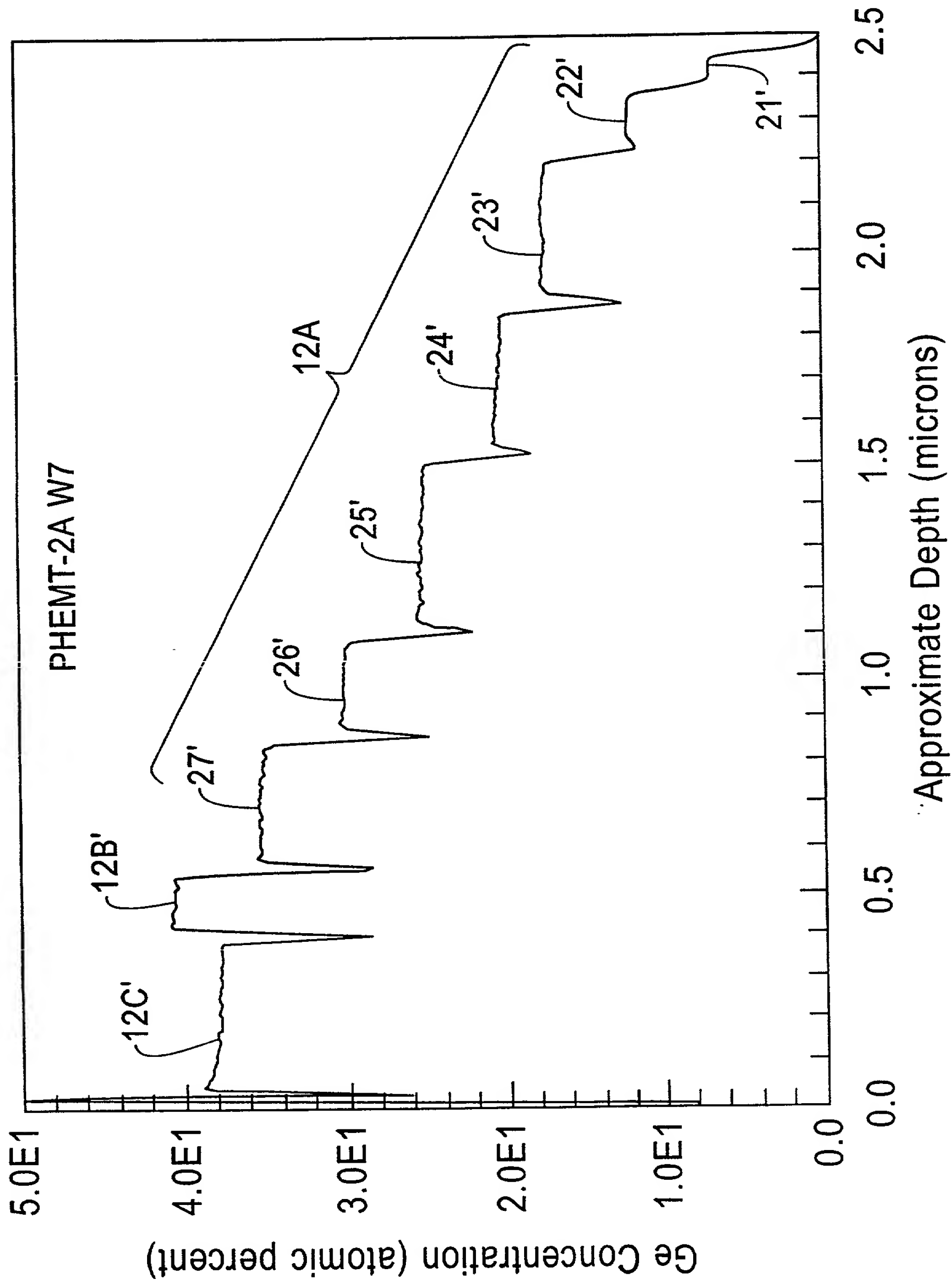


Fig. 3

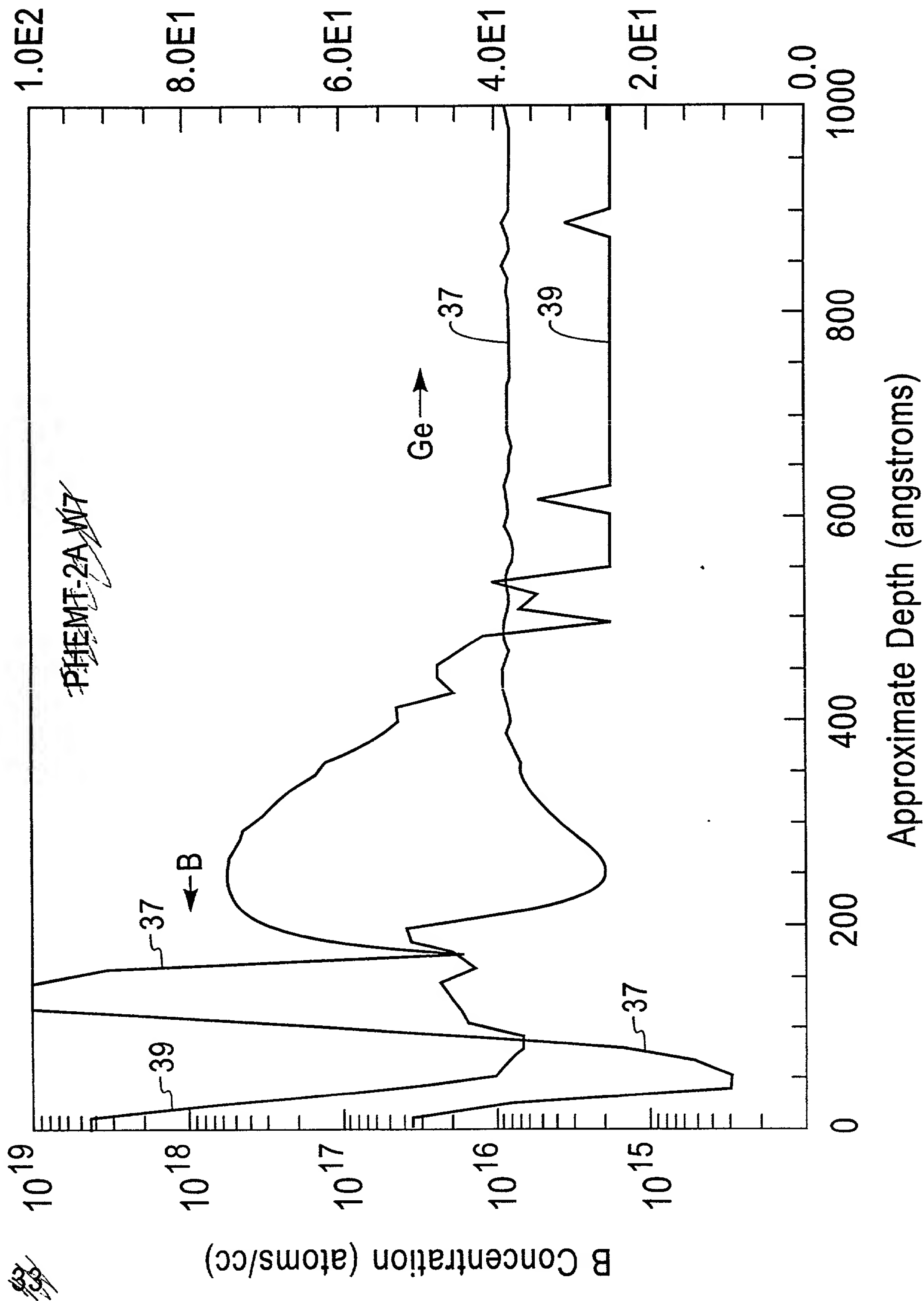


Fig. 4

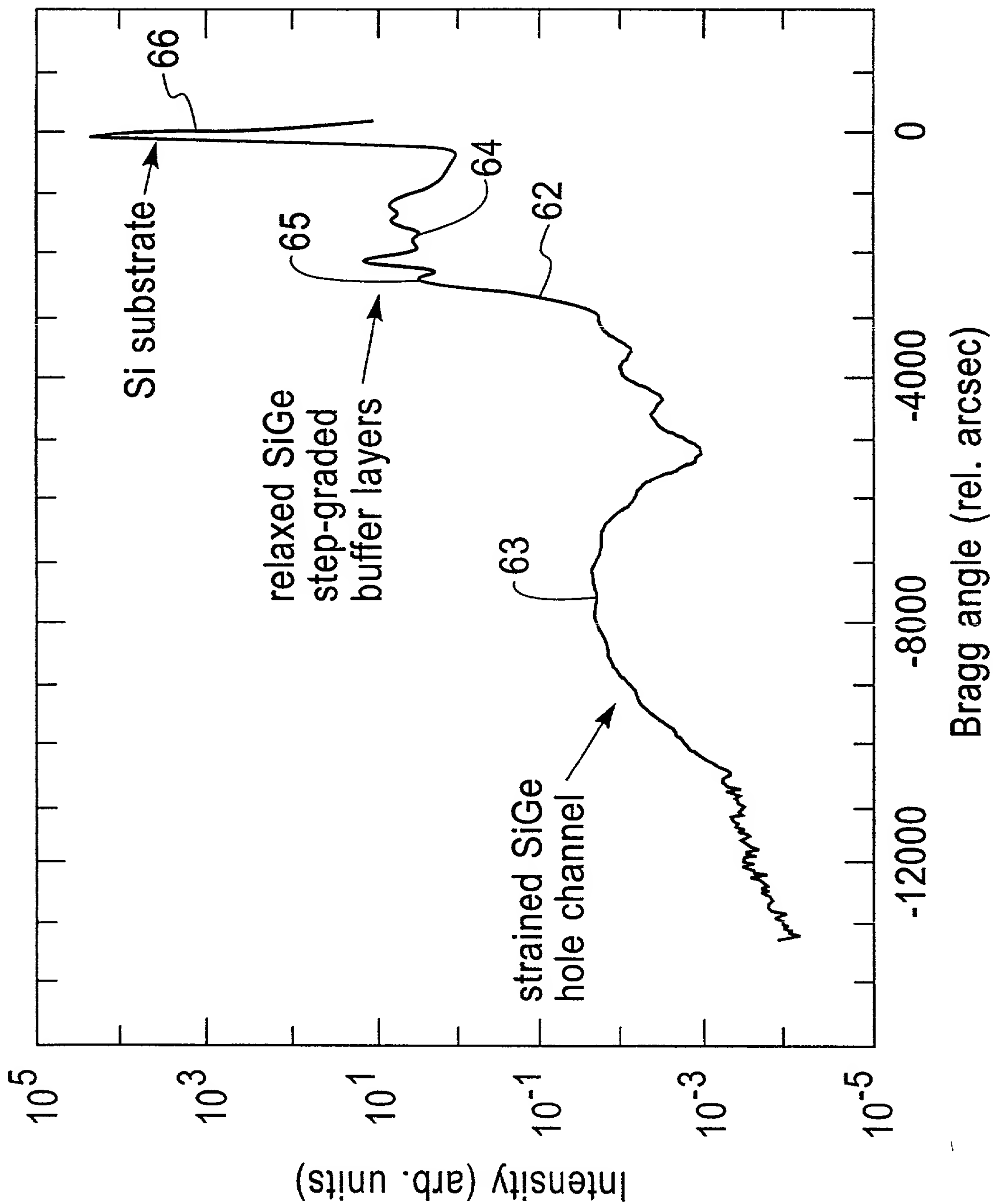


Fig. 5

XTEM of PHEMT 2.3 Device

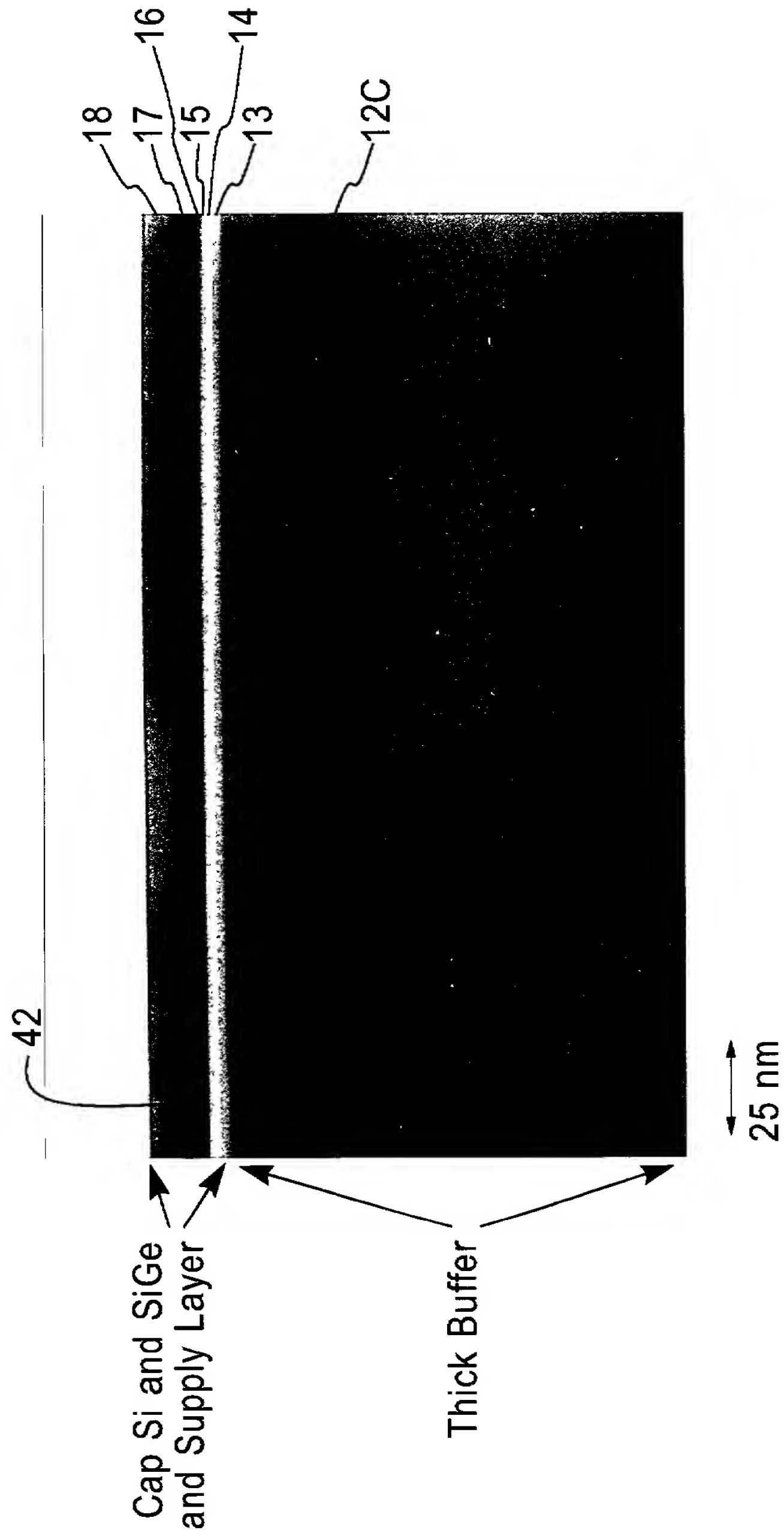


Fig. 6

Stacking fault densities
 $\sim 10^6 - 10^8/\text{cm}^2$



Fig. 7

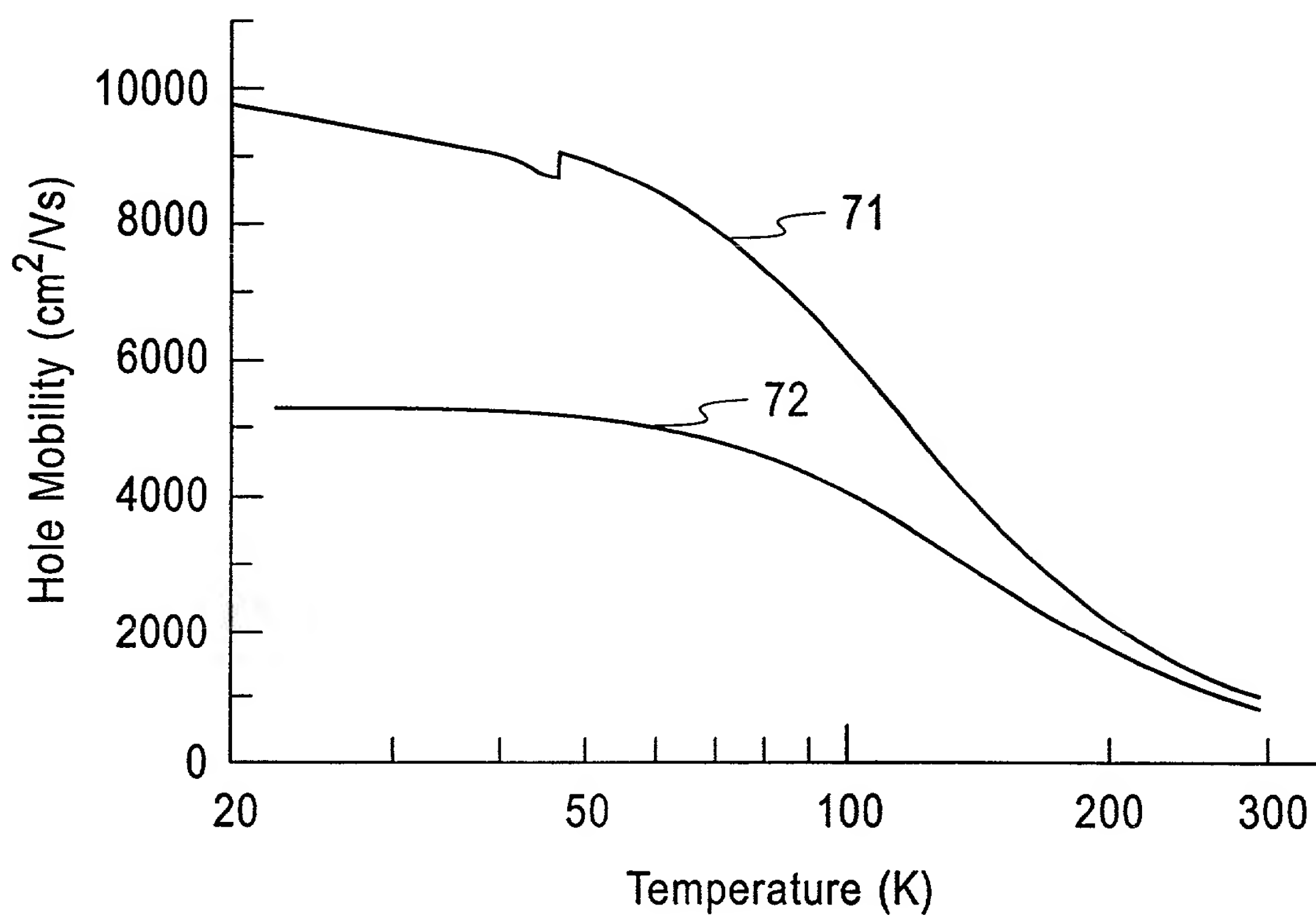


Fig. 8

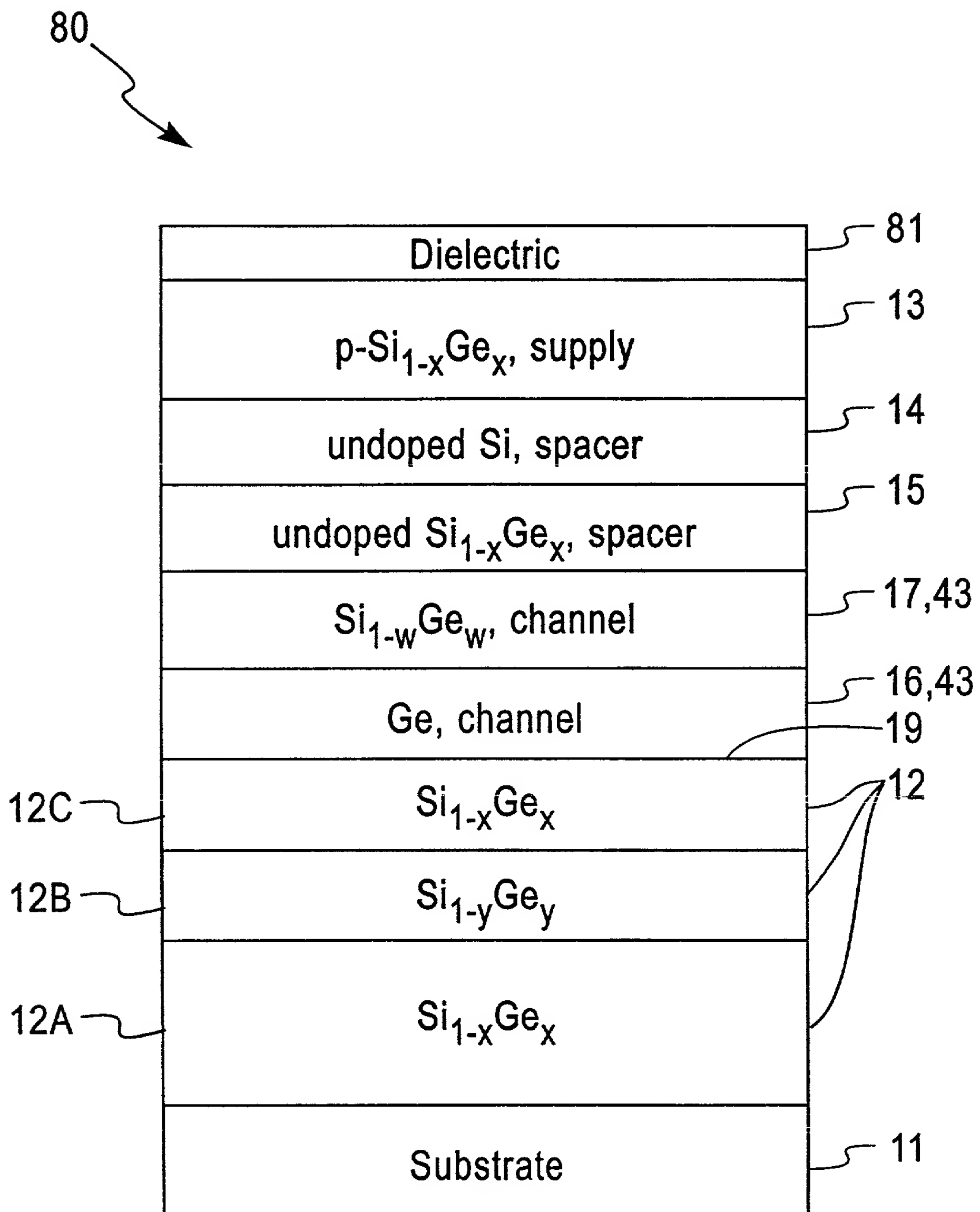


Fig. 9

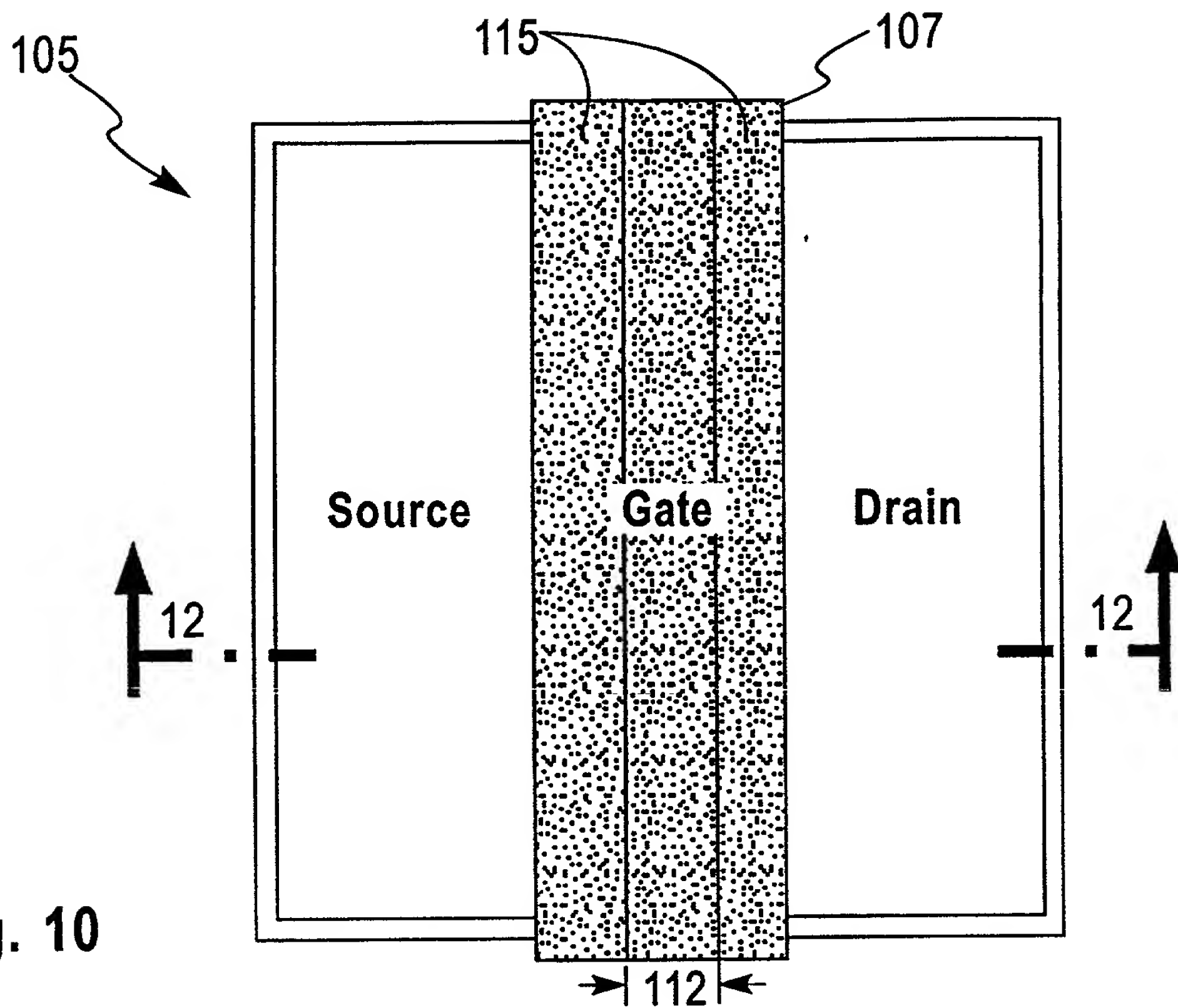


Fig. 10

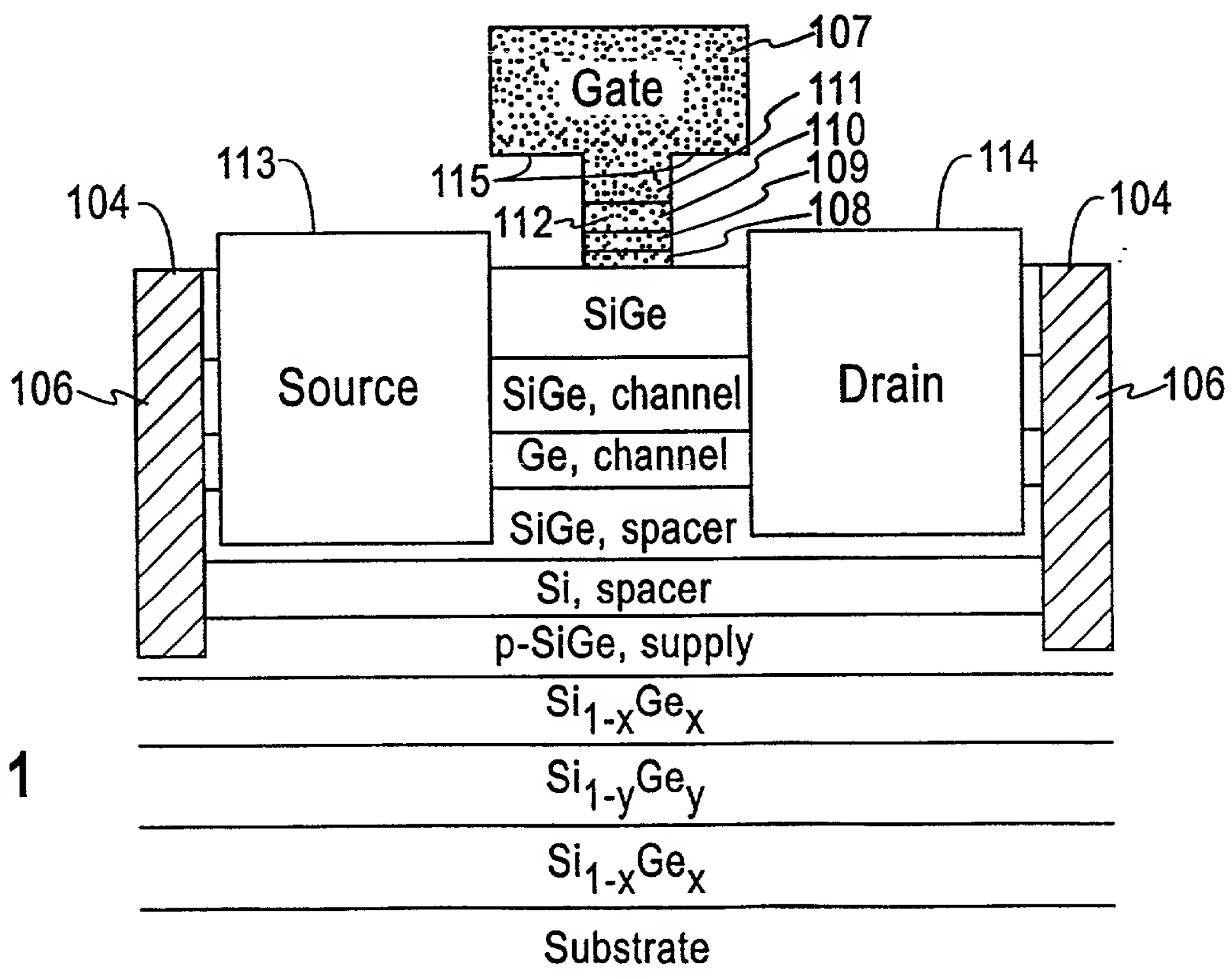


Fig. 11

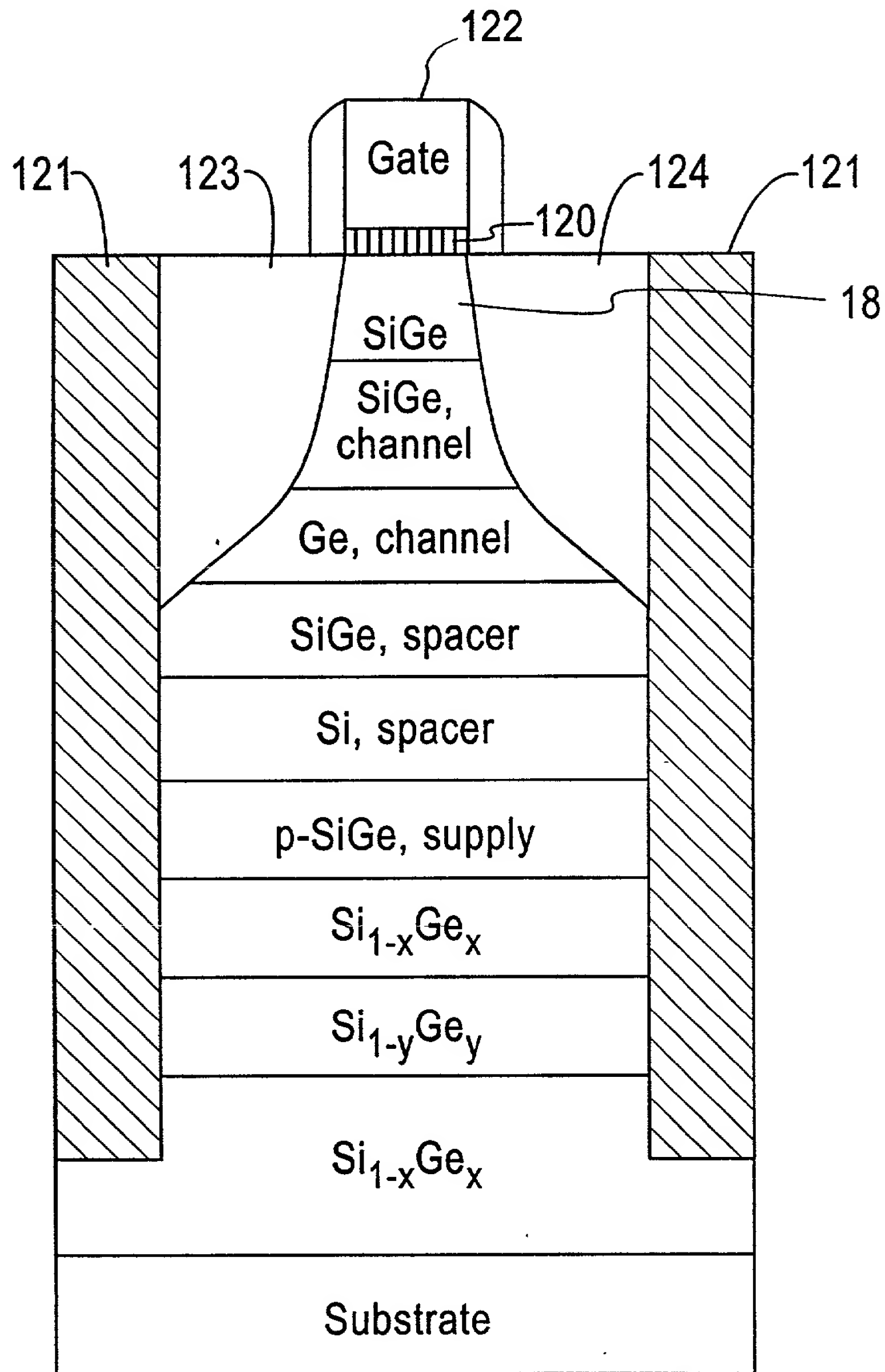


Fig. 12

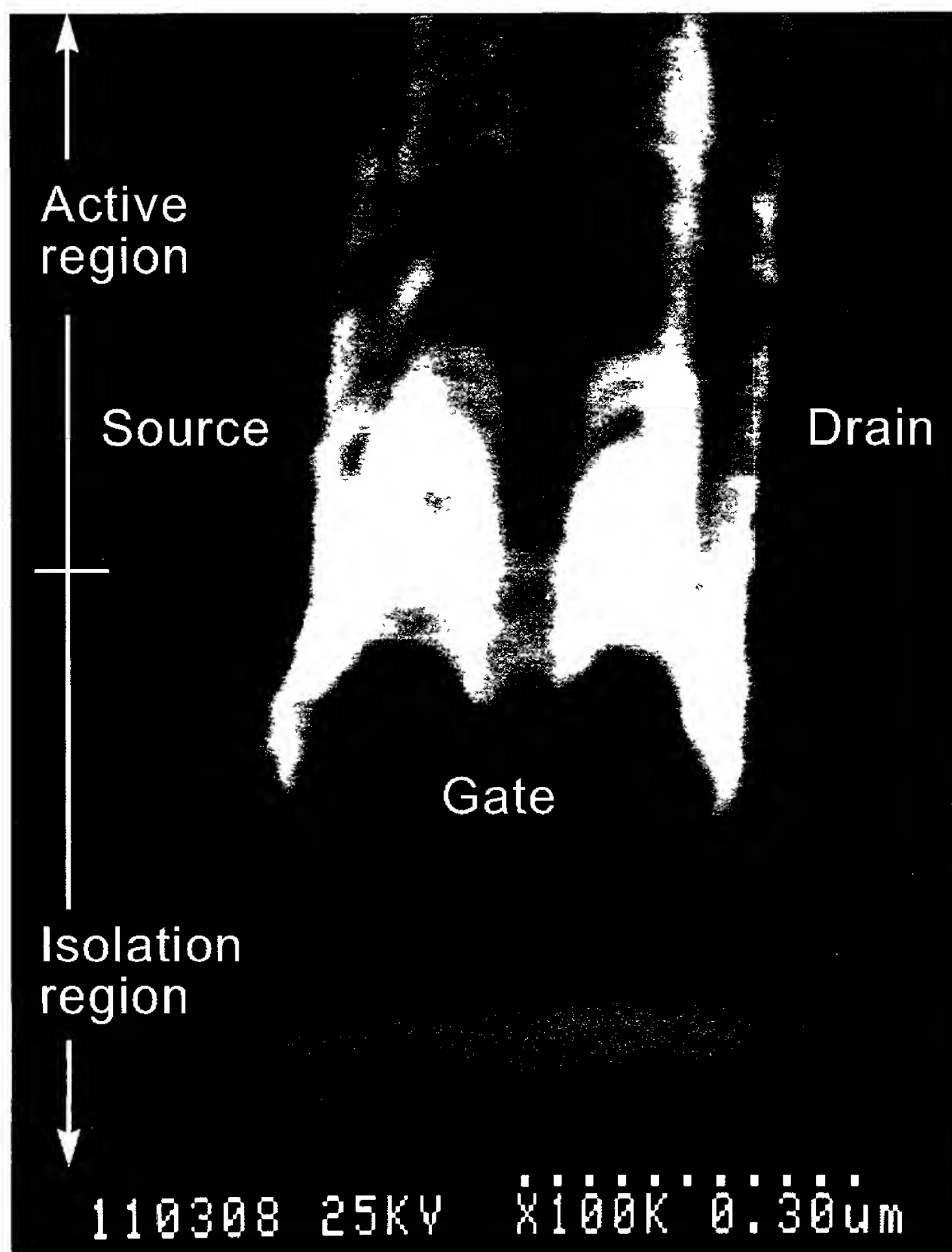


Fig. 13

p-type composite-channel MODFET, $L_g = 0.09\mu\text{m}$, $W = 25\mu\text{m}$

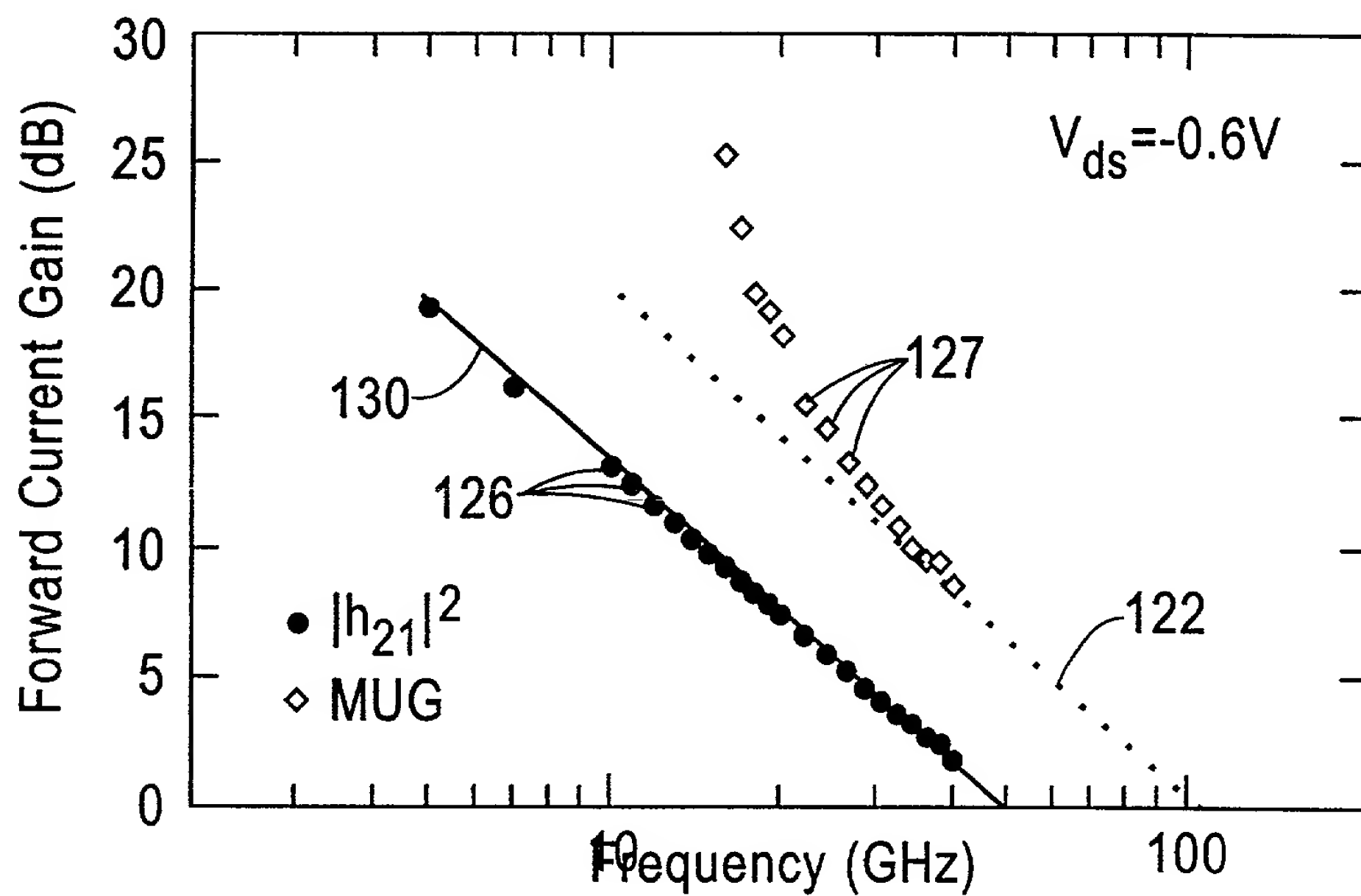


Fig. 14

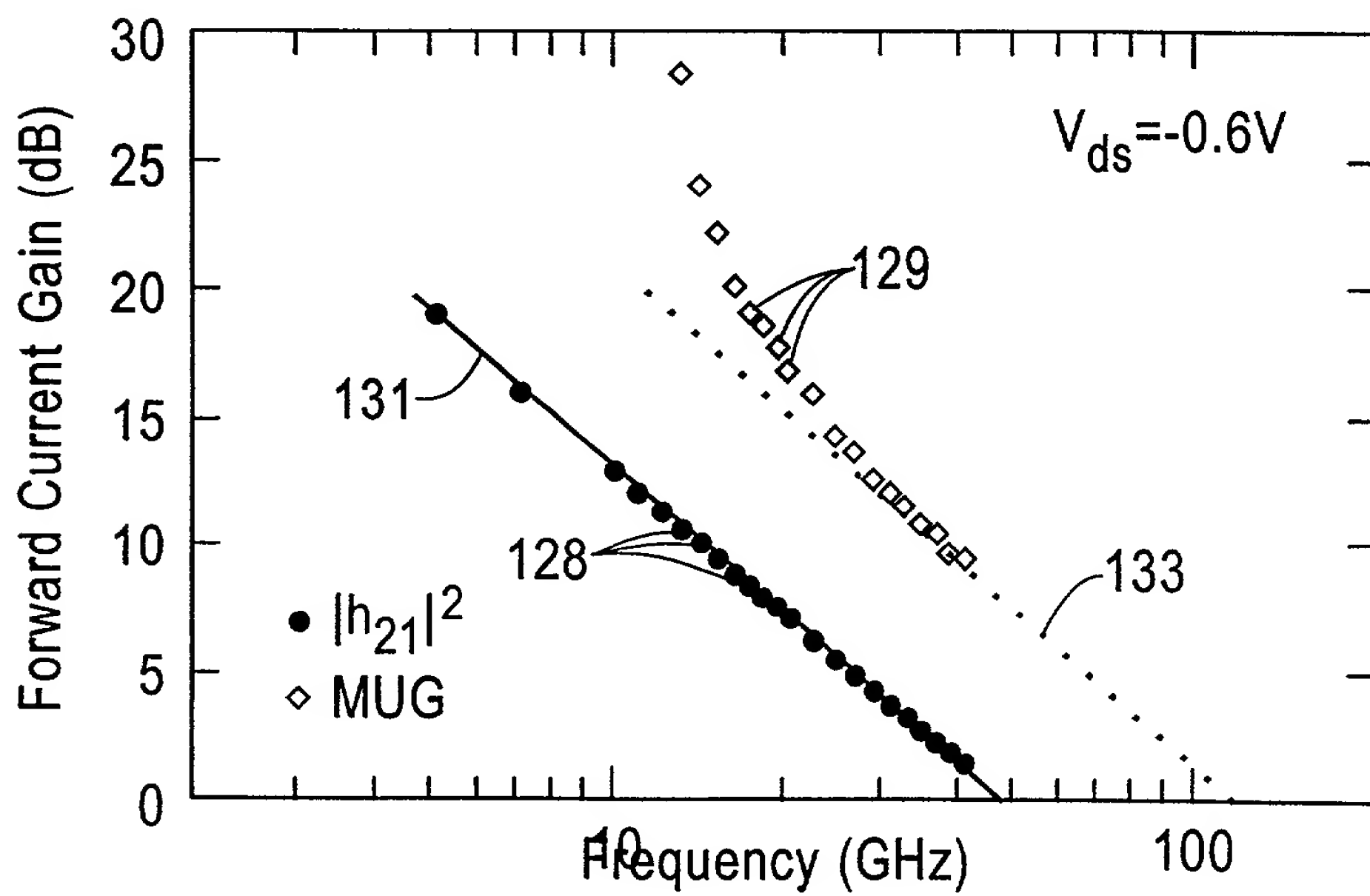


Fig. 15